

Appl. No. 10/604,356

Amdt. Dated Sep.24,2004

Reply to Office Action of June 24, 2004

Amendments to the Specification:

Please replace paragraphs [0017], [0018], [0021] and [0026] with amended paragraphs as follow and a new paragraph [0018.1] after the paragraph [0018] is added for detailedly describing a new added enlarged view of the area of the protrusion 24:

[0017] FIG. 6 is a cross-sectional view of the cable end connector assembly taken along line 6-6 of FIG. 3; and

[0018] FIG. 7 is a cross-sectional view of the cable end connector assembly taken along line 7-7 of FIG. 3; and

[0018.1] FIG. 8 is an enlarged view of a circular area of FIG. 1 showing detailedly the area of the protrusion including a recess, an opening and a rib.

[0021] Continuing to FIG. 1 and FIG. 2 in conjunction with FIG. 8, the insulative housing 2 comprises a base 22 and a D-shaped mating portion 21 protruding from a center of the base 22. The insulative housing 2 also comprises a mating face 20 and a termination face 23 opposite to the mating face 20. A pair of slits 221 is respectively defined in opposite lateral ends 222 of the base 22, and a transverse U-shaped guiding post 220 extends forwardly from one lateral end 222. A pair of engaging portions 26 extends outwardly from the pair of opposite lateral ends 222 of the base 22, respectively. Each engaging portion 26 is formed with a first and a second retaining wedges 260, 262. A pair of grooves 27 is respectively

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defined in opposite first and second walls 224, 226 of the base 22. A receiving space 210 is defined rearwardly from the mating face 20 of the insulative housing 2 to form a continuous periphery wall (not labeled). A plurality of passageways 25 is defined in the periphery wall of the insulative housing 2 and extends from the termination face 23 toward the mating face 20 of the insulative housing 2. A pair of rectangular protrusions 24 is formed on each lateral end 222 and extends oppositely from the opposite first and second walls 224, 226 of the insulative housing 2. A recess 240 extends through each protrusion 24 along a rear-to-front direction of the insulative housing 2. An opening 242 with a curved edge 246 is defined in each protrusion 24 to communicate with the recess 240. Each protrusion 24 also forms a rib 244 on a front surface thereof.

[0026] In assembly, referring to FIGS. 3-78, and in conjunction with FIGS. 1-2, the cable 4 is terminated to the termination face 23 of the insulative housing 2 with conductors 40 thereof electrically terminated with the insulation displacement portions 64 of the electrical contacts 6. The insulative cover 3 is secured to the insulative housing 2 for preventing the cable 4 from separating from the electrical contacts 6. The pair of latches 310 of the cover 3 respectively latches with the first and the second retaining wedges 260, 262 by stages with the engaging portions 26 of the insulative housing 2 respectively received in the ~~recesses~~slots 312 of the cover 3 for securing the cover 3 to the insulative housing 2. The conductors 40 of the cable 4 and the insulation displacement portions 64 of the contacts 6 are respectively received in the grooves 300 of the cover 3 (FIG. 5). The pull tab 5 is assembled to the insulative housing 2 along the rear-to-front direction of the

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housing 2 for disengaging the cable end connector assembly 1 from the complementary connector conveniently. The pair of fastening sections 52 is first rotated 90 degrees to allow the posts 514 thereof to protrude through respective recesses 240 of the protrusions 24. Then the fastening sections 52 return to the original state thereof to permit the free ends 515 of the column sections 512 and the posts 514 to be respectively received in the recesses 240. Each stop section 513 of the pull tab 5 abuts against a rear face of each protrusion 24 for preventing a forward movement of the pull tab 5. Each post 514 also protrudes into a corresponding opening 242 of the protrusion 24 and abuts against a recessed portion of the curved edge 246 of the opening 242 for preventing a rearward movement of the pull tab 5. The ribs 244 of the protrusions 24 also function to prevent the fastening sections 52 of the pull tab 5 from moving forwardly excessively. In addition, before the pull tab 5 is assembled to the housing 2, the pair of fastening sections 52 has a first distance D1 therebetween (FIG. 2). After the pull tab 5 is assembled to the housing 2, the pair of fastening sections 52 has a second distance D2 therebetween (FIG. 7). The first distance D1 is smaller than the second distance D2. Thus, a retentive force is exerted on the pull tab 5 after assembly to keep the pull tab 5 in a right position.